

**ABSTRACT**

An embodiment of the present invention includes a digital equipment system comprising a host for sending commands to read or write files having sectors of information, each sector having and being modifiable on a bit-by-bit, byte-by-byte or word-by-word basis. The host being operative to receive responses to the commands. The digital equipment further including a controller device responsive to the commands and including one-time-programmable nonvolatile memory for storing information organized into sectors, based on commands received from the host, and upon commands from the host to re-write a sector, the controller device for re-writing said sector on a bit-by-bit, byte-by-byte or word-for-word basis.